

**Flood Control Project Maintenance
Levee Inspections**

Fall 2013 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

MA0012	Overall LMA Rating	Total LMA Miles						
Sutter Maintenance Yard Maintenance Area 0012	A	11.31						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					1.16			
Animal Control	0.02		0.02	0.18%				
Slope Stability	0.01		0.01	0.09%				
<i>Supplemental</i>								
USACE Erosion Survey	0.01		0.01	0.09%				
DWR UCIP Field Study					0.33	0.05		
<i>LMA Totals:</i>	0.04	0.00	0.04	0.35%	1.49	0.05	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2013 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0012

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			A	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

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SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2013 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0012

Waterway			Bank	Unit Miles
Unit No. 01 Colusa Drain			Left	11.31
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	03/12/2013 - 03/12/2013		09/24/2013 - 09/24/2013	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Bryan Reniff Sutter Maintenance Yard		Bryan Reniff Sutter Maintenance Yard	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0012

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.31	09/24/2013 09/24/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

1			Earthen Levee	Emergency Supplies & Equipment	LS	A Ma				12
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DWR ID: DWR_MA0012_01_s_2013_12

2			Earthen Levee	Operations & Maintenance Manuals	LS	A Ma				13
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DWR ID: DWR_MA0012_01_s_2013_13

3			Earthen Levee	Flood Preparedness & Training	LS	A Ma				14
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DWR ID: DWR_MA0012_01_s_2013_14

4	0.24	0.24	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:10604 EP_NO: 9381 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to verify proper abandonment of pipe. FIELD_STRUCT_DESC: *Abandoned* 14-inch pipe through levee, 3.0 feet below crown. Open on waterward end. 3-foot x 6-foot concrete well on waterward berm. Siphon breaker in 24-inch pipe riser on landward shoulder. 36-inch concrete standpipe on landward berm. (Permit No. 9381 - Tribble). Originally included in O+M Manual (1959). Asbuilt available 50-4-3081. (The only item identified is the 36-inch standpipe on the LS toe). FS Date: 10/11/2012	39.035889 ° -121.996882 °	39.035889 ° -121.996882 °	3 °
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DWR ID: DWR_MA0012_01_f_2013_3

5	0.24	0.24	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15910 EP_NO: 9381 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to verify proper abandonment of pipe. 7/16/2013 Same as last inspection. FIELD_STRUCT_DESC: *Abandoned* 14-inch pipe through levee, 3.0 feet below crown. Open on waterward end. 3-foot x 6-foot concrete well on waterward berm. Siphon breaker in 24-inch pipe riser on landward shoulder. 36-inch concrete standpipe on landward berm. (Permit No. 9381 - Tribble). Originally included in O+M Manual (1959). Asbuilt available 50-4-3081. (The only item identified is the 36-inch standpipe on the LS toe). FS Date: 7/17/2013 7:54:05 AM	39.035889 ° -121.996882 °	39.035889 ° -121.996882 °	15 Y
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DWR ID: DWR_MA0012_01_f_2013_15

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0012

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.31	09/24/2013 09/24/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

6	0.24	0.24	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:10603 EP_NO: 9381 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to verify proper abandonment of pipe. FIELD_STRUCT_DESC: *Abandoned* 14-inch pipe through levee, 3.0 feet below crown. Open on waterward end. 3-foot x 6-foot concrete well on waterward berm. Siphon breaker in 24-inch pipe riser on landward shoulder. 36-inch concrete standpipe on landward berm. (Permit No. 9381 - Tribble). Originally included in O+M Manual (1959). Asbuilt available 50-4-3081. (The only item identified is the 36-inch standpipe on the LS toe). FS Date: 10/11/2012	39.035889 ° -121.996882 °	39.035889 ° -121.996882 °	16
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DWR ID: DWR_MA0012_01_f_2013_16

7	0.24	0.24	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7345 EP_NO: 9381 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to verify proper abandonment of pipe. FIELD_STRUCT_DESC: *Abandoned* 14-inch pipe through levee, 3.0 feet below crown. Open on waterward end. 3-foot x 6-foot concrete well on waterward berm. Siphon breaker in 24-inch pipe riser on landward shoulder. 36-inch concrete standpipe on landward berm. (Permit No. 9381 - Tribble). Originally included in O+M Manual (1959). Asbuilt available 50-4-3081. (The only item identified is the 36-inch standpipe on the LS toe). FS Date: 10/11/2012	39.035889 ° -121.996882 °	39.035889 ° -121.996882 °	17
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DWR ID: DWR_MA0012_01_f_2013_17

8	0.50	0.50	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15912 EP_NO: 9382 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe is partially filled with soil. 7/16/2013 Sediment is built up against WS flapgate preventing it from opening. FIELD_STRUCT_DESC: 24-inch CM drain pipe through levee, 13.0 feet below the crown. Flap gate, concrete headwall and grouted cobble spillway on waterward side. Concrete headwall on landward side. (Permit No. 9382 Baber). Originally included in O+M manual (1959). Asbuilt available 50-4-3081. FS Date: 7/17/2013 8:03:14 AM	39.039413 ° -121.997766 °	39.039413 ° -121.997766 °	18 Y
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DWR ID: DWR_MA0012_01_f_2013_18

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0012

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.31	09/24/2013 09/24/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

9	0.50	0.50	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7344 EP_NO: 9382 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe is partially filled with soil. FIELD_STRUCT_DESC: 24-inch CM drain pipe through levee, 13.0 feet below the crown. Flap gate, concrete headwall and grouted cobble spillway on waterward side. Concrete headwall on landward side. (Permit No. 9382 Baber). Originally included in O+M manual (1959). Asbuilt available 50-4-3081. FS Date: 10/11/2012	39.039413 ° -121.997766 °	39.039413 ° -121.997766 °	19
DWR ID: DWR_MA0012_01_f_2013_19										
10	1.73	1.73	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15915 EP_NO: 9382 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Inlet on LS filled partially with soil. Outlet blocked with soil and the flap gate wont close.7/16/2013 Same as last inspection. Make sure flapgate is closed before highwater season. FIELD_STRUCT_DESC: 24-inch CM drain pipe through the levee, 13.0 feet below crown. Flap gate, concrete headwall and grouted cobble spillway on waterward side. Concrete headwall on landward side. (Permit No. 9382 Baber). Originally included in O+M manual (1959). FS Date: 7/17/2013 8:11:01 AM	39.055711 ° -122.003252 °	39.055711 ° -122.003252 °	20 Y
DWR ID: DWR_MA0012_01_f_2013_20										
11	1.73	1.73	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7341 EP_NO: 9382 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Inlet on LS filled partially with soil. Outlet blocked with soil and the flap gate wont close. FIELD_STRUCT_DESC: 24-inch CM drain pipe through the levee, 13.0 feet below crown. Flap gate, concrete headwall and grouted cobble spillway on waterward side. Concrete headwall on landward side. (Permit No. 9382 Baber). Originally included in O+M manual (1959). FS Date: 10/11/2012	39.055711 ° -122.003252 °	39.055711 ° -122.003252 °	21
DWR ID: DWR_MA0012_01_f_2013_21										

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0012

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.31	09/24/2013 09/24/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

12	1.81	1.81	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15919 EP_NO: 9387 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No inlet could be located on LS. Flap gate partially blocked and will not close completely. 7/16/2013 Same as last inspection. Was told inlet is about 1/4 mile down road way next to house. Will try to get coordinates for inlet. FIELD_STRUCT_DESC: 48-inch drain pipe through the levee 20.0 feet below crown. Slide gate in 60-inch pipe riser on waterward slope. Flap gate and concrete headwall on waterward side. (Permit No. 9387 - Christenson). Originally included in O+M manual (1959). FS Date: 7/17/2013 8:17:53 AM	39.056847 ° -122.003288 °	39.056847 ° -122.003288 °	22 Y
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DWR ID: DWR_MA0012_01_f_2013_22

13	1.81	1.81	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7337 EP_NO: 9387 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No inlet could be located on LS. Flap gate partially blocked and will not close completely. FIELD_STRUCT_DESC: 48-inch drain pipe through the levee 20.0 feet below crown. Slide gate in 60-inch pipe riser on waterward slope. Flap gate and concrete headwall on waterward side. (Permit No. 9387 - Christenson). Originally included in O+M manual (1959). FS Date: 10/11/2012	39.056847 ° -122.003288 °	39.056847 ° -122.003288 °	23
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DWR ID: DWR_MA0012_01_f_2013_23

14	1.81	1.81	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7338 EP_NO: 9387 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No inlet could be located on LS. Flap gate partially blocked and will not close completely. FIELD_STRUCT_DESC: 48-inch drain pipe through the levee 20.0 feet below crown. Slide gate in 60-inch pipe riser on waterward slope. Flap gate and concrete headwall on waterward side. (Permit No. 9387 - Christenson). Originally included in O+M manual (1959). FS Date: 10/11/2012	39.056847 ° -122.003288 °	39.056847 ° -122.003288 °	24
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DWR ID: DWR_MA0012_01_f_2013_24

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0012

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.31	09/24/2013 09/24/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
15	2.02	2.02	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15921 EP_NO: 9391 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Inlet is partially filled with soil. 7/16/2013 LS inlet is completely filled with soil. Needs to be cleaned out. FIELD_STRUCT_DESC: 24-inch CM drain pipe through levee, 13.0 feet below crown. Flap gate, concrete headwall and grouted cobble spillway on the waterward side. Concrete headwall on landward side. (Permit No. 9391 Christenson). Originally included in O+M manual (1959). FS Date: 7/17/2013 8:19:41 AM	39.059773 ° -122.004391 °	39.059773 ° -122.004391 °	25
DWR ID: DWR_MA0012_01_f_2013_25										
16	2.02	2.02	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15922 EP_NO: 9391 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Inlet is partially filled with soil. 7/16/2013 LS inlet is completely filled with soil. Needs to be cleaned out. FIELD_STRUCT_DESC: 24-inch CM drain pipe through levee, 13.0 feet below crown. Flap gate, concrete headwall and grouted cobble spillway on the waterward side. Concrete headwall on landward side. (Permit No. 9391 Christenson). Originally included in O+M manual (1959). FS Date: 7/17/2013 8:21:49 AM	39.059773 ° -122.004391 °	39.059773 ° -122.004391 °	26 Y
DWR ID: DWR_MA0012_01_f_2013_26										
17	2.02	2.02	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7336 EP_NO: 9391 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Inlet is partially filled with soil. FIELD_STRUCT_DESC: 24-inch CM drain pipe through levee, 13.0 feet below crown. Flap gate, concrete headwall and grouted cobble spillway on the waterward side. Concrete headwall on landward side. (Permit No. 9391 Christenson). Originally included in O+M manual (1959). FS Date: 10/11/2012	39.059773 ° -122.004391 °	39.059773 ° -122.004391 °	27
DWR ID: DWR_MA0012_01_f_2013_27										
18	2.22	2.22	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.062465 ° -122.005479 °	39.062465 ° -122.005479 °	52 Y
DWR ID: DWR_MA0012_01_f_2013_52										
19	2.65	3.76	Earthen Levee	Encroachments	LS	M En	DT : Ditch	39.067343 ° -122.009611 °	39.081684 ° -122.016243 °	1
DWR ID: DWR_MA0012_01_s_2012_1										

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0012

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.31	09/24/2013 09/24/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

20	3.78	3.78	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:15925 EP_NO: 9388 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate inoperable, but appears to be in closed position. Flap gate held in open position. Good candidate for video inspection when, if ever, dry.7/16/2013 Water flowing through pipe so screw gate definitely not closed. Was told NOV's have been sent for owner to replace stem. Flap gate gets closed for flood season. FIELD_STRUCT_DESC: 48-inch CM pipe through the levee, 28.0 feet below the crown. Slide gate in 66-inch pipe riser on the waterward slope. Concrete headwall on the waterward side. Grouted cobble spillway from drain ditch to large canal on the landward side. (Permit No. 9388 Wallace) Originally included in the O+M manual (1959). FS Date: 7/17/2013 8:23:52 AM</p>	39.081949 ° -122.016179 °	39.081949 ° -122.016179 °	28 Y
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DWR ID: DWR_MA0012_01_f_2013_28

21	3.78	3.78	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:7333 EP_NO: 9388 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate inoperable, but appears to be in closed position. Flap gate held in open position. Good candidate for video inspection when, if ever, dry. FIELD_STRUCT_DESC: 48-inch CM pipe through the levee, 28.0 feet below the crown. Slide gate in 66-inch pipe riser on the waterward slope. Concrete headwall on the waterward side. Grouted cobble spillway from drain ditch to large canal on the landward side. (Permit No. 9388 Wallace) Originally included in the O+M manual (1959). FS Date: 10/11/2012</p>	39.081949 ° -122.016179 °	39.081949 ° -122.016179 °	29
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DWR ID: DWR_MA0012_01_f_2013_29

22	4.33	4.33	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:15930 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing.7/16/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch steel pipe though levee, 4.5 feet below crown. Pump in pump house on waterward bank. Siphon breaker valve installed on LS shoulder. FS Date: 7/17/2013 8:29:45 AM</p>	39.089666 ° -122.015248 °	39.089666 ° -122.015248 °	30 Y
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DWR ID: DWR_MA0012_01_f_2013_30

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0012

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.31	09/24/2013 09/24/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
23	4.33	4.33	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:9001 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 24-inch steel pipe though levee, 4.5 feet below crown. Pump in pump house on waterward bank. Siphon breaker valve installed on LS shoulder. FS Date: 10/11/2012	39.089666 ° -122.015248 °	39.089666 ° -122.015248 °	31
DWR ID: DWR_MA0012_01_f_2013_31										
24	4.82	4.82	Earthen Levee	Encroachments	LS	C En	FE : Fence Inspector Comments: Gate needs repair.	39.096714 ° -122.015568 °	39.096714 ° -122.015568 °	6
DWR ID: DWR_MA0012_01_s_2013_6										
25	4.83	4.88	Earthen Levee	Encroachments	LS	M En	DT : Ditch	39.096839 ° -122.015568 °	39.097455 ° -122.015581 °	4
DWR ID: DWR_MA0012_01_s_2012_4										
26	4.87	4.87	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:10583 EP_NO: 9390 Repair Type: Urgent Crossing Status: Found UCIP Comments: Flap gate broken on WS, Pipe shows significant rust at outlet. This is a good candidate for video inspection. FIELD_STRUCT_DESC: 36-inch corrugated metal drain pipe though the levee, 20.0 feet below the crown. Pump on metal pier in LS channel. 40-inch steel standpipe at LS toe. Flap gate and concrete headwall on the waterward side. Concrete headwall on the landward side. (Permit No. 9390 -- Profpe). Originally included in the O+M manual (1959). FS Date: 3/30/2013 6:06:41 PM	39.097378 ° -122.015560 °	39.097378 ° -122.015560 °	32 Y
DWR ID: DWR_MA0012_01_f_2013_32										
27	4.87	4.87	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:7328 EP_NO: 9390 Repair Type: Urgent Crossing Status: Found UCIP Comments: Flap gate broken on WS, Pipe shows significant rust at outlet. This is a good candidate for video inspection. FIELD_STRUCT_DESC: 36-inch corrugated metal drain pipe though the levee, 20.0 feet below the crown. Pump on metal pier in LS channel. 40-inch steel standpipe at LS toe. Flap gate and concrete headwall on the waterward side. Concrete headwall on the landward side. (Permit No. 9390 -- Profpe). Originally included in the O+M manual (1959). FS Date: 10/11/2012	39.097378 ° -122.015560 °	39.097378 ° -122.015560 °	33
DWR ID: DWR_MA0012_01_f_2013_33										

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	* Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0012

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.31	09/24/2013 09/24/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
28	4.87	4.87	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:10584 EP_NO: 9390 Repair Type: Urgent Crossing Status: Found UCIP Comments: Flap gate broken on WS, Pipe shows significant rust at outlet. This is a good candidate for video inspection. FIELD_STRUCT_DESC: 36-inch corrugated metal drain pipe though the levee, 20.0 feet below the crown. Pump on metal pier in LS channel. 40-inch steel standpipe at LS toe. Flap gate and concrete headwall on the waterward side. Concrete headwall on the landward side. (Permit No. 9390 -- Profpe). Originally included in the O+M manual (1959). FS Date: 3/29/2013 6:08:55 PM	39.097378 ° -122.015560 °	39.097378 ° -122.015560 °	34
DWR ID: DWR_MA0012_01_f_2013_34										
29	5.12	5.12	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15932 EP_NO: 0 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe is clogged at both the inlet and outlet. Good candidate for video inspection.7/16/2013 Same as last inspection. FIELD_STRUCT_DESC: 48-inch CM pipe approximately 15 feet below the crown. Concrete headwalls on both ends with an automatic drainage gate on the WS. FS Date: 7/17/2013 8:32:43 AM	39.100898 ° -122.016078 °	39.100898 ° -122.016078 °	35
DWR ID: DWR_MA0012_01_f_2013_35										
30	5.12	5.12	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7326 EP_NO: 0 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe is clogged at both the inlet and outlet. Good candidate for video inspection. FIELD_STRUCT_DESC: 48-inch CM pipe approximately 15 feet below the crown. Concrete headwalls on both ends with an automatic drainage gate on the WS. FS Date: 10/11/2012	39.100898 ° -122.016078 °	39.100898 ° -122.016078 °	36 Y
DWR ID: DWR_MA0012_01_f_2013_36										
31	5.30	5.30	Earthen Levee	Animal Control	LS A/W Ma	A1	Exterminate rodents and backfill and compact or grout burrows.	39.103490 ° -122.016340 °	39.103490 ° -122.016340 °	206 Y
DWR ID: DWR_MA0012_01_s_2012_206										
32	5.77	5.77	Earthen Levee	Animal Control	LS Ma	C	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.109189 ° -122.017139 °	39.109189 ° -122.017139 °	8
DWR ID: DWR_MA0012_01_s_2012_8										
33	5.82	5.82	Earthen Levee	Animal Control	LS Ma	C	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.110742 ° -122.017342 °	39.110742 ° -122.017342 °	207
DWR ID: DWR_MA0012_01_s_2012_207										

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0012

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.31	09/24/2013 09/24/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

34	6.12	6.12	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15936 EP_NO: 13699 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Oil leakage around pump.7/16/2013 Same as last inspection. FIELD_STRUCT_DESC: 1 of 2: 20-inch soilproofed steel Stormdrain pipe through levee, 4.4 feet below crown. Cobble revetted sump on waterward side. Siphon breaker in 24-inch metal pipe risers on waterward shoulder. Pump house at toe of landward slope. (Permit No. 13699, 1984). Replaced 18-inch pipe at same location. FS Date: 7/17/2013 8:34:30 AM	39.114949 ° -122.017946 °	39.114949 ° -122.017946 °	37
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DWR ID: DWR_MA0012_01_f_2013_37

35	6.12	6.12	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:9002 EP_NO: 13699 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Oil leakage around pump. FIELD_STRUCT_DESC: 1 of 2: 20-inch soilproofed steel Stormdrain pipe through levee, 4.4 feet below crown. Cobble revetted sump on waterward side. Siphon breaker in 24-inch metal pipe risers on waterward shoulder. Pump house at toe of landward slope. (Permit No. 13699, 1984). Replaced 18-inch pipe at same location. FS Date: 10/11/2012	39.114949 ° -122.017946 °	39.114949 ° -122.017946 °	38 Y
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DWR ID: DWR_MA0012_01_f_2013_38

36	6.12	6.12	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7321 EP_NO: 9390 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor oil leaks around pump in pumphouse. FIELD_STRUCT_DESC: 1 of 3: 24-inch pipe through levee, 4.4 feet below crown. Cobble revetted sump on waterward side. Siphon breaker in 24-inch metal pipe risers on waterward shoulder. Pump house at toe of landward slope. (Permit No. 9390 - Profpe) Originally included in O+M manual (1959). FS Date: 10/11/2012	39.114949 ° -122.017946 °	39.114949 ° -122.017946 °	39
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DWR ID: DWR_MA0012_01_f_2013_39

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0012

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.31	09/24/2013 09/24/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

37	6.12	6.12	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15937 EP_NO: 13699 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Oil leaks at pump head.7/16/2013 Same as last inspection. FIELD_STRUCT_DESC: 2 of 2: 20-inch soilproofed steel Stormdrain pipe through levee, 4.4 feet below crown. Cobble revetted sump on waterward side. Siphon breaker in 24-inch metal pipe risers on waterward shoulder. Pump house at toe of landward slope. (Permit No. 13699, 1984). Replaced 18-inch pipe at same location. FS Date: 7/17/2013 8:35:11 AM	39.114963 ° -122.017947 °	39.114963 ° -122.017947 °	40
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DWR ID: DWR_MA0012_01_f_2013_40

38	6.12	6.12	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:9003 EP_NO: 13699 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Oil leaks at pump head. FIELD_STRUCT_DESC: 2 of 2: 20-inch soilproofed steel Stormdrain pipe through levee, 4.4 feet below crown. Cobble revetted sump on waterward side. Siphon breaker in 24-inch metal pipe risers on waterward shoulder. Pump house at toe of landward slope. (Permit No. 13699, 1984). Replaced 18-inch pipe at same location. FS Date: 10/11/2012	39.114963 ° -122.017947 °	39.114963 ° -122.017947 °	41
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DWR ID: DWR_MA0012_01_f_2013_41

39	6.12	6.12	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7322 EP_NO: 9390 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor oil leakage around pumps. FIELD_STRUCT_DESC: 2 of 3: 20-inch pipe through levee, 4.4 feet below crown. Cobble revetted sump on waterward side. Siphon breaker in 16-inch metal pipe risers on waterward shoulder. Pump house at toe of landward slope. (Permit No. 9390 - Profpe) Originally included in O+M manual (1959). FS Date: 10/11/2012	39.114963 ° -122.017947 °	39.114963 ° -122.017947 °	42
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DWR ID: DWR_MA0012_01_f_2013_42

40	6.12	6.12	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7320 EP_NO: 9390 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor oil leakage around pumps. FIELD_STRUCT_DESC: 2 of 3: 20-inch pipe through levee, 4.4 feet below crown. Cobble revetted sump on waterward side. Siphon breaker in 16-inch metal pipe risers on waterward shoulder. Pump house at toe of landward slope. (Permit No. 9390 - Profpe) Originally included in O+M manual (1959). FS Date: 10/11/2012	39.114963 ° -122.017947 °	39.114963 ° -122.017947 °	43
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DWR ID: DWR_MA0012_01_f_2013_43

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Sutter Maintenance Yard Maintenance Area 0012

DWR ID: DWR_MA0012_01_f_2013_46

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0012

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.31	09/24/2013 09/24/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
45	7.75	7.75	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15941 EP_NO: 9390 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Rodent burrowing along sides of pipe on LS.7/16/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch steel pipe through levee, 3.0 feet below crown. Both ends capped, terminating on levee slopes. (Permit No. 9390 - Profpe) Originally included in O+M manual (1959). FS Date: 7/17/2013 8:37:34 AM	39.137187 ° -122.022793 °	39.137187 ° -122.022793 °	47 Y
DWR ID: DWR_MA0012_01_f_2013_47										
46	8.82	8.82	Earthen Levee	Animal Control	WSA/W	Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.152245 ° -122.021782 °	39.152245 ° -122.021782 °	53 Y
DWR ID: DWR_MA0012_01_f_2013_53										
47	8.92	8.92	Earthen Levee	Animal Control	WSA/W	Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.153702 ° -122.021773 °	39.153702 ° -122.021773 °	54 Y
DWR ID: DWR_MA0012_01_f_2013_54										
48	9.02	9.02	Supplemental	USACE Erosion Survey	WS	M Ma	Inspector Comments: 2011 - Erosion occurring upstream and downstream of an irrigation diversion structure. 2012: Site is part of the extended inventory, last inspected 2011. [2012 Site ID: SYC_9-3_L]	39.158226 ° -122.021950 °	39.157957 ° -122.021950 °	7
DWR ID:										
49	9.03	9.03	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.155207 ° -122.021769 °	39.155207 ° -122.021769 °	55 Y
DWR ID: DWR_MA0012_01_f_2013_55										
50	9.23	9.23	Supplemental	DWR UCIP Field Study	WS	U En	Inspector Comments: FS_ID:15943 EP_NO: 9390 Repair Type: Urgent Crossing Status: Found UCIP Comments: Concrete Headwall tilting on WS slope.7/16/2013 Same as last inspection. FIELD_STRUCT_DESC: 36-inch CM drain pipe through the levee, 15.0 feet below crown. Concrete head wall, slide gate and grouted revetment on waterward side. Slide gate and Concrete headwall on landward side. (Permit No. 9390 - Profpe). Originally included in O+M manual (1959). FS Date: 7/17/2013 8:38:44 AM	39.158097 ° -122.021706 °	39.158097 ° -122.021706 °	48
DWR ID: DWR_MA0012_01_f_2013_48										
51	9.23	9.23	Supplemental	DWR UCIP Field Study	WS	U En	Inspector Comments: FS_ID:6838 EP_NO: 9390 Repair Type: Urgent Crossing Status: Found UCIP Comments: Concrete Headwall tilting on WS slope. FIELD_STRUCT_DESC: 36-inch CM drain pipe through the levee, 15.0 feet below crown. Concrete head wall, slide gate and grouted revetment on waterward side. Slide gate and Concrete headwall on landward side. (Permit No. 9390 - Profpe). Originally included in O+M manual (1959). FS Date: 10/11/2012 1:29:25 PM	39.158097 ° -122.021706 °	39.158097 ° -122.021706 °	49 Y
DWR ID: DWR_MA0012_01_f_2013_49										

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

Sutter Maintenance Yard Maintenance Area 0012

55	11.16	11.16	Supplemental DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15947 EP_NO: 9386 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe plugged with soil on both ends as well as at slide gate on WS slope. Slide gate inoperable.7/16/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch Corrugated metal drainpipe through the levee, 8.0 feet below the crown. Slide gate in 36-inch pipe riser on the waterward shoulder. (Permit No. 9386 - Wescott) Levee turns eastward. FS Date: 7/17/2013 8:40:54 AM	39.180039 ° -122.014266 °	39.180039 ° -122.014266 °	51 Y
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0012

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.31	09/24/2013 09/24/2013	Bob Duffey

Levee Mile Report Line	5
Start Levee Mile	0.24
End Levee Mile	0.24
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
36-inch concrete riser on LS toe.	
UCIP_8891.jpg	



Levee Mile Report Line	8
Start Levee Mile	0.50
End Levee Mile	0.50
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
Outlet at WS toe.	
UCIP_8893.jpg	



Levee Mile Report Line	10
Start Levee Mile	1.73
End Levee Mile	1.73
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
Inlet on LS toe.	
UCIP_8897.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0012

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.31	09/24/2013 09/24/2013	Bob Duffey

Levee Mile Report Line	12
Start Levee Mile	1.81
End Levee Mile	1.81
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
60-inch standpipe with slide gate on WS slope with outlet in background.	
UCIP_8901.jpg	



Levee Mile Report Line	16
Start Levee Mile	2.02
End Levee Mile	2.02
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
LS view of inlet.	
UCIP_8908.jpg	



Levee Mile Report Line	18
Start Levee Mile	2.22
End Levee Mile	2.22
Location	Land Side
Category	Earthen Levee
Item	Animal Control
View of the rodent along the slope of the levee.	
rduffey_f_20131021_088.JPG	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0012

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.31	09/24/2013 09/24/2013	Bob Duffey

Levee Mile Report Line	20
Start Levee Mile	3.78
End Levee Mile	3.78
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Drainage ditch on LS toe.

UCIP_8912.jpg



Levee Mile Report Line	22
Start Levee Mile	4.33
End Levee Mile	4.33
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Pumping plant on WS toe.

UCIP_8918.jpg



Levee Mile Report Line	26
Start Levee Mile	4.87
End Levee Mile	4.87
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Pump, walkway, and standpipe on LS toe.

UCIP_6094.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0012

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.31	09/24/2013 09/24/2013	Bob Duffey

Levee Mile Report Line	30
Start Levee Mile	5.12
End Levee Mile	5.12
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Outlet on WS toe.

UCIP_3095.jpg



Levee Mile Report Line	31
Start Levee Mile	5.30
End Levee Mile	5.30
Location	Land Side
Category	Earthen Levee
Item	Animal Control

View of the levee slope with no rodent activity.

rduffey_f_20130919_797.JPG



Levee Mile Report Line	35
Start Levee Mile	6.12
End Levee Mile	6.12
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Pumping plant on LS slope

UCIP_5031.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0012

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.31	09/24/2013 09/24/2013	Bob Duffey

Levee Mile Report Line	45
Start Levee Mile	7.75
End Levee Mile	7.75
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study

Pipe on LS.

UCIP_8936.jpg



Levee Mile Report Line	46
Start Levee Mile	8.82
End Levee Mile	8.82
Location	Water Side
Category	Earthen Levee
Item	Animal Control

View of the rodent hole along the slope of the levee.

rduffey_f_20131021_089.JPG



Levee Mile Report Line	47
Start Levee Mile	8.92
End Levee Mile	8.92
Location	Water Side
Category	Earthen Levee
Item	Animal Control

View of the rodent holes along the slope of the levee.

rduffey_f_20131021_090.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0012

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.31	09/24/2013 09/24/2013	Bob Duffey

Levee Mile Report Line	49
Start Levee Mile	9.03
End Levee Mile	9.03
Location	Water Side
Category	Earthen Levee
Item	Animal Control

View of the rodnet hole along the toe of the levee.

rduffey_f_20131021_091.JPG



Levee Mile Report Line	51
Start Levee Mile	9.23
End Levee Mile	9.23
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study

slide gate and headwall on LS toe.

UCIP_2968.jpg



Levee Mile Report Line	53
Start Levee Mile	10.72
End Levee Mile	10.72
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

View of the slope vehicle erosion.

rduffey_f_20131021_097.JPG



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0012

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.31	09/24/2013 09/24/2013	Bob Duffey

Levee Mile Report Line	55
Start Levee Mile	11.16
End Levee Mile	11.16
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
cover on 36-inch CMP standpipe on WS slope.	
UCIP_8944.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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